

DATA SHEET**SFP28 25G SR, 850NM MMF TRANSCEIVER****DESCRIPTION**

This transceiver is an 850 nm VCSEL 25Gigabit SFP28 module. It is support up to 70m on OM3 MMF and 100m on OM4 MMF. The transceiver has a duplex LC optical interface and all mechanical characteristics are compliant with the current SFP+ specification (SFF-8431 and SFF-8432).

**KEY FEATURES**

Compatible with CPRI option10 24.33Gbps and 25GBASE 25.78Gbps

Operating data rate up to 28.05Gbps

100m transmission over OM4 MMF

70m transmission over OM3 MMF

850nm VCSEL laser and PIN photo-detector

Internal CDR on both Transmitter and Receiver channel

Maximum power dissipation<1W

SFP28 MSA compliant

Built-in digital diagnostic functions

Single +3.3V power supply

Operating case temperature: 0 to +70 °C

RoHS 6 Compliant

Duplex LC Connector Interface, Hot Pluggable

APPLICATIONS

25GbE

CPRI

COMPLIANCES

Compliant to SFF-8402, SFF-8432.

Compliant to IEEE802.3.

DDM Compliant with SFF-8472 SFP+ MSA.

RoHS Compliant6

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ENVIRONMENTAL SPECIFICATIONS

Parameter	Min.	Typ.	Max.	Unit
Operation Temperature	0		+70	°C
Storage Temperature	-40	-----	+85	°C
Operation Humidity*	5	-----	85	%
Storage Humidity	5	-----	85	%

(*) not condensing

OPERATING SPECIFICATIONS

Parameter	Min.	Typ.	Max.	Unit
Supply Voltage	3.1	+3.3	+3.5	V
Power Dissipation			1	W
Transmission Distance			100	m

OPTICAL SPECIFICATIONS

TRANSMITTER

Parameter	Min.	Typ.	Max.	Unit
Wavelength	840	850	860	nm
Average Launch Power	-4.5		2.5	dBm
Extinction Ratio (ER)	2			dB

RECEIVER

Parameter	Min.	Typ.	Max.	Unit
Input Wavelength	840	850	860	nm
Receiver Sensitivity			-6	dBm
LOSA	-30			dBm
LOSD			-11	dBm
Hysteresis	0.5			dB

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ORDERING INFORMATION

Jabil Part Number	Package	Rate	Reach	Other info
JPS825S1LCC000L85	SFP28	25G	100m	DDM/RoHS

For additional information, visit jabil.com/photonics